

**Journal of the Lakehead Amateur Radio Club**

**L.A.R.C.**  
P.O. Box 2571  
Thunder Bay ON  
P7B 5G1

# Hi-Q

**December, 1992**

**Meetings: 7:30 P.M.  
2<sup>nd</sup> Thursday each month  
Room 210, McIntyre Building,  
Confederation College.**

**VE3YQT Auto patch info  
de Steve, VE3KRH**

A quick guide to making a phone call on YQT. As you probably know by now, the auto patch on YQT is up and operating. Our own phone line will be installed on December 7 1992. Make note of the phone number 346-8999.

**MAKING THE PATCH:**

1. Key the microphone and press \*1 followed by the 7 digit telephone number you want to dial. DO NOT release the microphone key between the \*1 and the 7 digit phone number or the call will not be accepted.
2. Release the microphone key.

The controller responds by announcing "Auto Patch"; then, following a brief pause, reads out the number you entered and proceeds to dial that number. You may, if you wish, prevent transmitting the phone number over the air. Simply press the PTT for at least 200 milliseconds immediately after the announcement, "Auto Patch". The controller will then mute the phone number. In either case, the controller then dials the number you entered, permitting you to proceed with your phone communications.

**HANGING UP THE PATCH:**

1. Key the microphone and press #.
2. Release the microphone key.

At this time the controller will acknowledge that you have completed your phone call and announce to everyone that your call has been terminated and they can quit listening.

**USING THE SPEED DIAL:**

The controller is equipped with Speed Dial (a useful function for those of us that can't remember the longer 7 digit numbers).

1. Key the microphone and press \*2 followed by the speed dial number of the member you want to dial.
2. Release the microphone key.

The controller responds with "Auto dial" and announces the speed dial number you entered. The phone number that resides in that speed dial slot will then be dialled and you may proceed with your phone communications.

**HANGING UP THE SPEED DIAL:**

1. Key the microphone and press #.
2. Release the microphone key.

The controller will acknowledge that you have completed your call etc.

Before using the repeater, please remember to listen and see if it is in use and above all, remember to IDENTIFY yourself before you use the auto patch. If you do not have a speed dial slot issued to you yet, please contact the executive. If you have any questions please do not hesitate to ask me and I will try to help. For a more in-depth explanation about the auto dial or speed dial features, Len VE3ILV will be able to help you out. Remember, the information I have included here is only for use on VE3YQT.

**CW Classes**

Norm, VE3XRC will be holding beginners CW classes in his shack (217 University Dr.) again this year on

Tuesday evenings at 7:00 PM. Norm tells us there will be code tapes for everyone. Call Norm to enroll.

First class will be on Tuesday, December 01, 1992; but, there will not be a class on December 29<sup>th</sup>.

Don't stop now, **UPGRADE!** Call Norm at 577-9316.

**VE3YTB — aka — N3JMA**

Nestor VE3NPS received a packet message in mid November from Tom N3JMA in Ardmore PA. Tom is one of the summer residents at Silver Islet. Tom obtained his Canadian Call, VE3YTB last September. He would enjoy hearing from some Northern Ontario hams. He monitors 14.328 MHz. each Sunday at 13:30 EST, and again each Thursday at 21:00 EST.

**We Welcome!!**

The following have registered for the 92/93 Ham classes:

Alan Bate	Trevor Bishop
John Dawson	James Dumont
Ruby Feldman	Bob Gillespie
Jason Hammond	Sharon Hryhorka
Heather Hudyma	John Kynoch
William Link	Betty Loveday
Robert Loveday	Jo Anne McClenaghan
Rob McLeod	Robert Richards
Roberta Sherman	Claudette Shoup
John Shoup	Michael Taddeo
Angie Todd	

Don't hesitate to ask any member if you have trouble understanding a class topic. Good Luck to one and all!

**'Tenna 'n' Tower Exploits**

Skip VE3BBS, Norm VE3XRC and crew have been busy during the summer. I lost count of completed jobs, but the biggest was saved for last. See pages 3 and 4 for photos by John VE3PHL and Matti VE3EEI. Matti also scanned and printed these photos. Thanks Matti. Place your orders now for next season's erections.

## Journal of the Lakehead Amateur Radio Club

**Minutes of a meeting  
of the Lakehead Amateur Radio Club  
held at Confederation College  
room 210, McIntyre Building  
November 12 1992 at 17:35**

The meeting was called to order at 19:34 and 43 members and guests where present.

### Review of Previous Minutes

Members reviewed previous minutes from supplied copies if the Hi-Q. No additions or corrections were noted.

Motion to accept minutes as printed in Hi-Q made by Eric Todd seconded by Steve Robb.

The motion was passed by members.

### Treasurer's Report

The report covers the period 08 October through 12 November 1992. Opening chequing account balance was \$1,251.51 while the savings account opening balance was \$1,790.51. Total credits were \$3,353.50, and total debits were \$1,265.81. Present chequing account balance is \$3,339.20, and the savings account is unchanged at \$1,790.51. Total of both accounts is \$5,129.71 on hand.

Motion to accept the treasurers report made by Mike Nawrocki and seconded by Robert Hansen.

The motion was passed by the members.

### President's Report

A: VE3YQT Link Update — The link was to be transported up to the site this Saturday, if the weather co-operates. Any work not finished this Saturday will be carried over to next Saturday. The lower half of the link is temporarily installed on an upper floor at Mark Vukovich's office building. The estimated time to get everything working is 2-3 weeks. The antennas for the project are expected tomorrow.

B: VE3TBR Update — The new hardware for the repeater is almost done as reported by Laurie Bridgett, by himself and Lindo Scalese. A few more weeks are required to complete the work.

C: VE3TBT Repeater — Terry Stewardson reported that his repeater presently at Len Catillo's residence would be moved in a few weeks. This privately owned repeater is open for use by anyone. For the purpose of evaluating possible 2 Metre paths to the south, it will be located for a time, south of the city on Highway 61. Try 147.39 MHz + 600 when driving south. Let Terry or Tim VE3WCT know how it works.

### Other Reports

A: Call-Book Update — Jim O'Brien reported that the executive had decided that the second edition of the Call-Book would be in the new format. Because there were so many new records and changes to old records, simply replacing affected pages would in fact

be a complete revision. The new Call-Book's cost has broken down to about \$3.00 a copy and will be sold at that price.

### Old Business

A: RFI-TVI Committee — At the last meeting it was agreed that we form a committee, to date the following members have volunteered;

Bob Bishop	Mike Nawrocki
Bill Unger	Laurie Bridgett

The group will hold an organizational meeting in the near future.

B: DVR — It was learned that the motion by Skip Wright had not been dealt with at the last meeting. Skip decided to withdraw his motion to purchase a DVR. No opposition from the floor was encountered and the motion was withdrawn.

### New Business

Len Catillo reported that 850 repeater controller will soon have new firmware available most likely in January/93 for about \$75.00.

Report from Gabe Fritzen VE3SI of Fort Francis about the coordinated effort in his area with linked VHF repeaters for voice and data. They currently have a Palomar controller which links a number of repeaters from Winnipeg to Attikokan. He suggested that their system might be linked to Thunder Bay by installing a similar system near Kashabowie.

Steve Robb requested a longer time-out period on VE3TBR.

All present briefly introduced themselves to the other assembled members and guests.

Norm Bell announced that he was again starting his code class in December on Wednesdays. He would like the names of all the people interested and a day of the week that best suits them.

### Auditing of the Books

A motion to appoint 2 auditors was made by Skip Wright and seconded by Barry Hunter. Some discussion followed with the conclusion that the provision is already in the Constitution. The motion was withdrawn. Bob Bishop has a phone number of someone who may be able to do the books.

Skip Wright reported that the present membership is less than last year.

### Bi-election

Nestor Procup ran a bi-election to replace Dave McClenaghan who announced his retirement as a director because of an impending move.

John Kaleta was nominated and elected by acclamation.

A motion to adjourn was made by Steve Robb and seconded by Les Brown and voted on by members. Adjourned at 20:24.

## VE3EEI adds more aluminum!

From top:

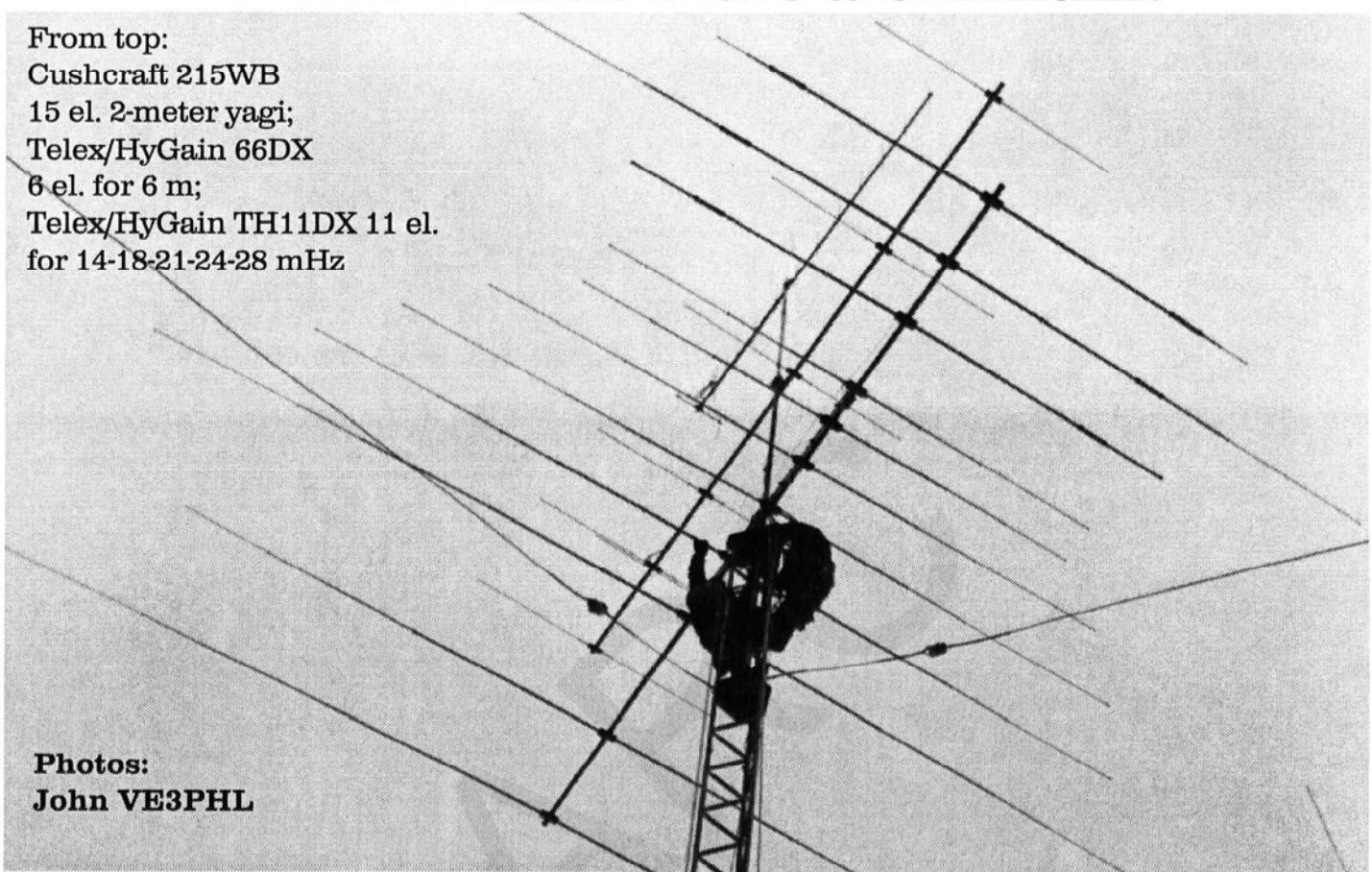
Cushcraft 215WB

15 el. 2-meter yagi;

Telex/HyGain 66DX

6 el. for 6 m;

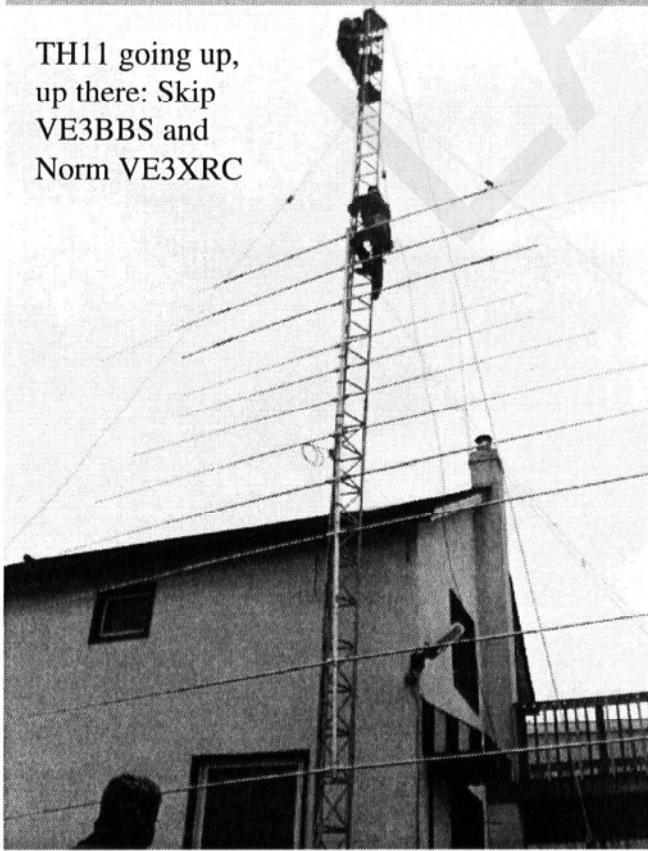
Telex/HyGain TH11DX 11 el.  
for 14-18-21-24-28 mHz



**Photos:**

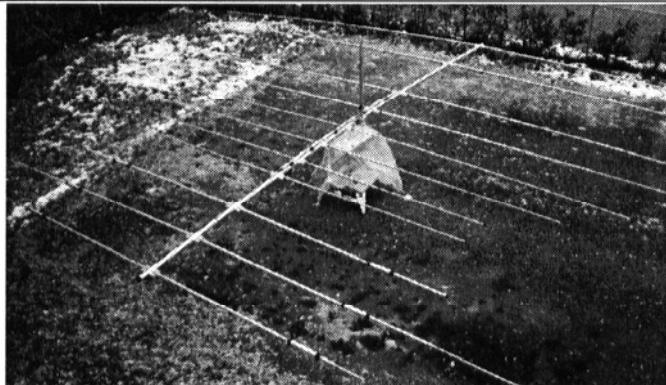
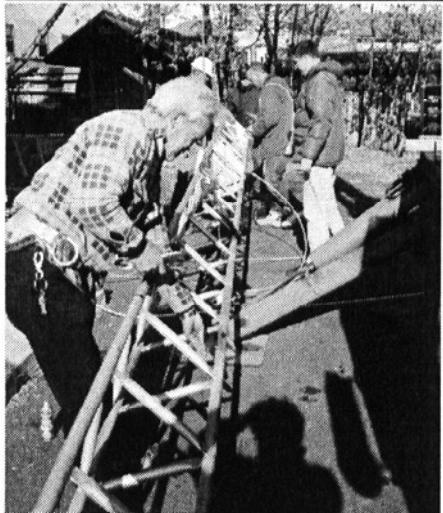
**John VE3PHL**

TH11 going up,  
up there: Skip  
VE3BBS and  
Norm VE3XRC



Dave VE3DOM and Skip VE3BBS in technical negotiation.

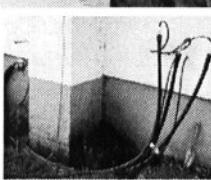
Pictures on next page are selfexplanatory, I hope!



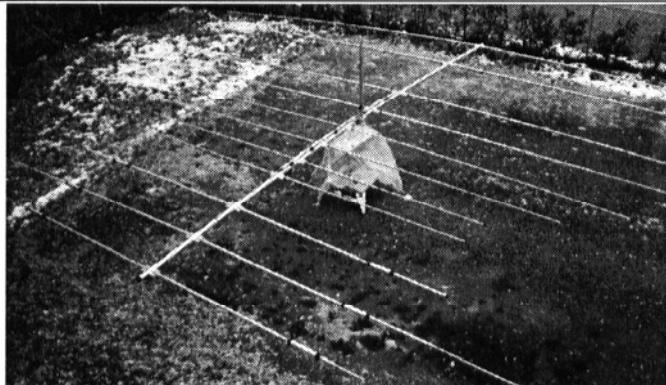
Ensintuli paikalle puominosturi, joka kaatoi aiemmin tyhjennetyn antenninlukirakenteen. Pojat asensivat pyörityslaitteita (vas) sekä kahden ja kuuden metrin antennit (alla) ja puominosturi nosti koko vehteen uudelleen paikoilleen (oik). Helppolaista näyttää, mutta ei se sitä kaikin ajoin ollut, suunnittelusta huolimatta!



Toisten puuhatessa raskaimmissa hommissa touhusi kaapeliryhmä liittimien parissa. Antenninlukirakenteen huippuun vedettiin kaksi kaapelia, joista kolme on tuuman paksuisia häviöiden ja häiriöiden vähentämiseksi.



Totuuden hetki on koittanut. Dave, VE3DOM jännittiä sruuuko kaikki hyvin. Antenni jouduttiin nostamaan ensin puomin pituussuunnassa, se käännettiin poikittain maston puolivälissä ja lopuksi vaakatasoon läheillä huipputa. Huipussa puuhailivat Norman VE3XRC ja 'Skip' VE3BBS. Kuvat sivun alareunassa. Pikkupakkane ja lumisade ei paljon poikien olo helpottanut.

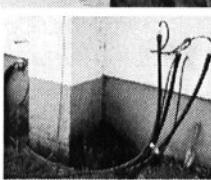


Viiden alueen käännettävä antenni ei ole turhan suuri, vaikka täyttilkin lähes puolet Matti-vaarin pihasta. Painoa alumiinikasalla on 40 kiloa. Kuvassa Telex/HyGainin 11-elementtinen TH11DX Super Thunderbird odottaa nostamista.

## Omituiset Olympialaiset

Thunder Bayn radioamatöörikerho LARC toimii

Kuvat: VE3PHL  
ja VE3EEI



Thunder Bayn radioamatöörikerhon vapaaehtoiset ovat aina valmiita auttamaan, jos joku paikkaan on amatööriseistä apua tarvitsee. Eikä siinä kaikki. Teknillisistä ja tiedonvälitys-apua annetaan myös erilaisiin paikkaan tapaturuihin. Keho on jo vuosia hoitanut mm. katujuoksuun viestinnän, samaten naisen juoksun ja joukkupukkym. paraatit, vain muutamia mainitaksesi.

Aiemmin on jo tullut maihinksi teknillinen apu häiriötapaauksissa, mm. "puhuva leivänpaahdin" on olut kerhon teknillisen työryhmän ohjelmassa jo jonkin aikaa, mutta tietysti syistä johtuen siinä ei ole vielä edistytty.

Kerhon vapaaehtoiset ovat jälleen koko kesän kiertäneet ympäri kaupunkia korjaamassa ja asentamassa antennejä sekä pystyttämässä tulkirakenteita. Lukumäärä ei ole tiedossa, mutta luulisin tapauksia olleen parinkymmenen

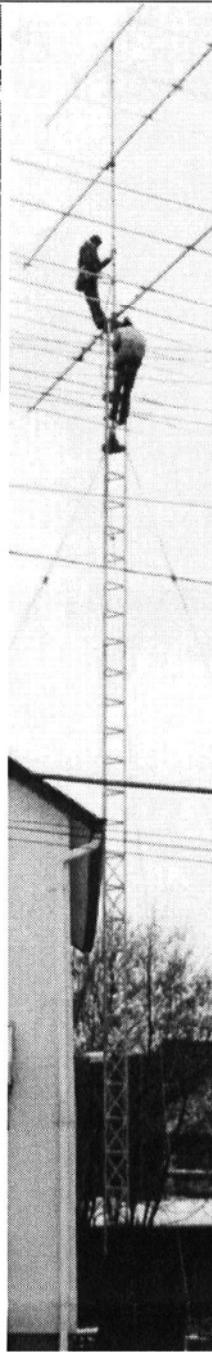
paikkeilla. Kaikki tuo toiminta tapahtuu oman päivätyön ohella ja täysin ilmaiseksi. Amatöörihenki on korkealla ja jokainen iloitsee suorituksen onnistuessa. Kesken ei jätetä, vaikka joskus tuleekin mutkia matkaan.

Tilkin pihalla on puuhailtu pitkän aikaa ja hommien myöhästytti uuden antennityypin valmistuminen, se luvattin toimittaa jo elokuussa, perille se saapui vasta syys-lokakuun vaihteessa, sitten olivat sääestetään.

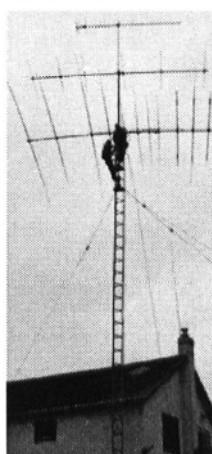
Kaihdikin hommassa mukanan olleiden nimii ja kutsumerkkejä on mahdoton muistaa, Jimin VE3UA kirjanpitoavasta huolimatta, joten tässä muutamia: mastomiehet Skip VE3BBS ja Norman VE3XRC, kaapeli ja asennusryhmästä Terry VE3TKA, Laurie VE3BCD, Barry VE3BGA ja Len VE3ILV. Hommassa lienee ollut mukana noin 30 kaveria! Jäseniä kerhossa n. 140.

Thank You Gentlemen!

73 de VE3EEI



Yllä: Näin korkealla ei melillä ole kukaan ennen käynyt. Norman seisoo puomilla ja yh ylös yröttää. Kenen toisen pää kestääsi puuhun, ei ainakaan Matti-vaarin.



## Journal of the Lakehead Amateur Radio Club

### **VE7-USA REPEATER PROJECT**

Alan Muir VE7BEU Tech. Director WARA.

Amateur Radio Operators from WARA and the Clallum ARC are involved in the installation and operation of a new repeater to be used for Public Service Communications such as earthquake disasters, tidal waves and search and rescue. The repeater will be located at a fixed location called North Point, west of Port Angeles, Washington, U.S.A. and linked to VE7VIC in Victoria. The radio site is owned by Richmond 2-Way Radio but the equipment will be owned by WARA and has been donated by Daniels Electronics Ltd. of Victoria.

The Federal Communications Commission will issue a licence to be held by a U.S. Amateur Radio Operator to cover the Repeater Station. Radio coverage will be possible from Ucluelet, to Victoria and up to Campbell River. The Linking system will include areas such as Vancouver, Seattle, Tacoma as well as the Olympic Peninsula.

*Reprinted from CARF News Bulletin 16/92*

### **NEW RADIO TECHNOLOGY**

*Reprinted from CARF News Bulletin 16/92 Part 2 of 2*

The JARL (Japan Amateur Radio League) reports that Tohoku Electric Power Corp. has developed new radio technology that permits single frequency, two-way simultaneous radio communications. The end result is telephone-like audio because BOTH SIDES OF A VOICE CONVERSATION CAN BE HEARD AT THE SAME TIME ON A SINGLE FREQUENCY.

Most business radio stations use only one frequency; therefore a dispatcher and the receiver cannot talk simultaneously. Each party must press the "push-to-talk" button whenever he or she wishes to speak and release the button to hear the other party.

The newly-developed radio system divides the operator's voice signals into 0.2-second sound segments and compresses them into half the time before transmission. The other half of the time is allocated to receiving similar messages from the other party. This allows both voices to be effectively transmitted at the same time on a single frequency. JARL says the new technology can be utilized in other radio services - including amateur radio.

*W5YI Report (reprinted from TelePARK)*

### **Canada Selected for 1995 IARU Region 2 Meeting**

An important item on the agenda at IARU Region 2 meetings is the selection of the site for the next meeting. There were three proposals submitted this year, one being Niagara Falls, Canada. The selection is made by popular vote of the delegates, and Canada won over Nicaragua and Cuba.

This will be the first time that Canada has hosted the General Assembly and we have plenty of time to do a good job. If all goes well, the responsibility for planning and implementation will fall to the Radio Amateurs of Canada (RAC). The Niagara Peninsula Amateur Radio Club is the nearest local club to the site and they have enthusiastically accepted the challenge to provide local help.

These meetings are serious working sessions having a long and rigidly controlled agenda. Attendees are limited to the delegates from each country and some volunteer helpers.

Region 2 has two official languages, English and Spanish. This year in Curacao 28 countries were represented, with only 9 being English speaking. Most countries of Region 2 are Spanish speaking with Portuguese from Brazil and Dutch from the Netherlands Antilles.

Canadian Amateurs look forward to the challenge of hosting this prestigious event.

*Reprinted from CARF News Bulletin 16/92 Part 1 of 2.*

### **Suomi 75 Vuotta**

If you need Finland contacts, there will be a good opportunity on 06 Dec., 1992 between the hours 00:00 to 24:00 UTC. As Finland celebrates 75 years of independence, Hams throughout the country are authorized to use the prefix OG as well as OH. Ten Special Event Calls, OH1FIN through OH10FIN, have been issued to selected Club Stations for the 24 hours. Operating on 80, 40, 20, 15 and 10 Metre bands, look for CW on or around 3525, 7025, 14025, 21025 and 28025 kHz. SSB will be found on or around 3775, 7075, 14225, 21325 and 28525 kHz. The Finnish Op will require his RST report and a QSO serial number. You must start your QSO numbering at 001. He will provide, your RST report and a community number between 001 and 936.

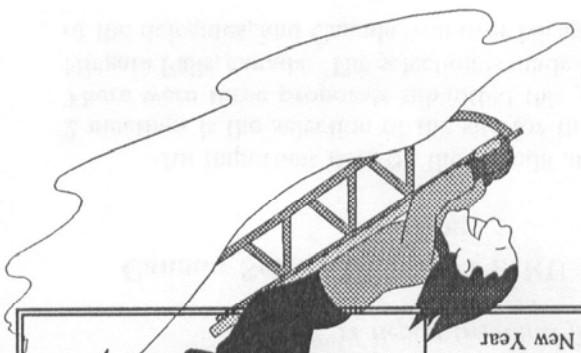
### **Lost and Found**

This is for you folks with the good memory banks. Found: the art work at left, in 5 1/4 inch format. Lost: the name of the artist.

If anyone remembers who drew the badge, please contact Jim VE3UA at 623-7893 or 626-9648.

Some members like the look of the badge and suggest we use it on jackets, caps or perhaps even letterhead. If we proceed along those lines we should at least give credit to the artist. Put on your thinking caps and call me if you can identify the artist. No prizes, we are a non profit organization!

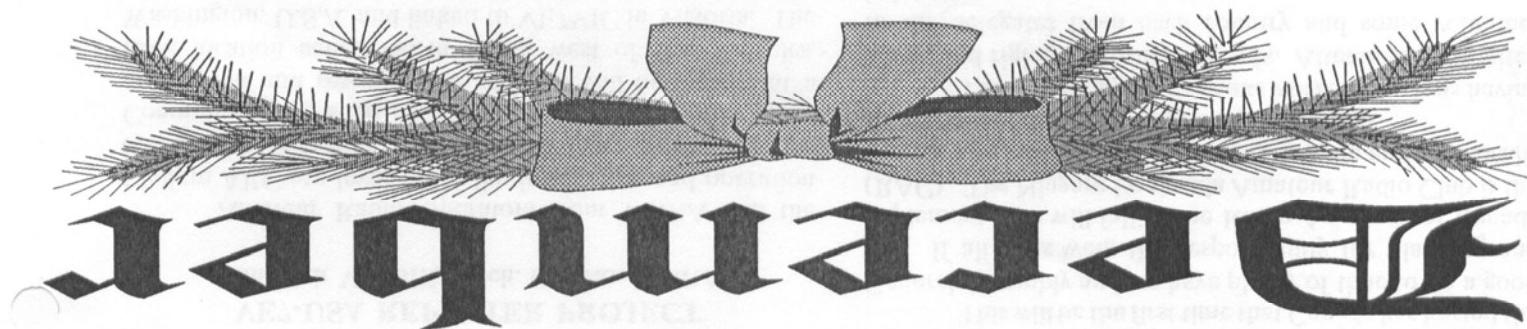




Accident Free!  
Make the Holidays  
Appoint a Designated Driver!

SUN	MON	TUE	WED	THU	FRI	SAT
Tuesday CW Classes: will be held at Norm, VE3XRC's ham shack, 217 University Drive Tel. 577-9316	1 7:00 PM CW Class Ham Class	2 7:00 PM CW Class Ham Class	3 7:00 PM CW Class Ham Class	4 7:00 PM CW Class Ham Class	5 7:00 PM CW Class Ham Class	6
7 7:30 PM 2 Metre Net VE3YQT	8 7:00 PM CW Class LARC Meeting Helps, watch from Mission Island Marsh at 5:00 PM.	9 7:30 PM Total Lunar Helps, watch from Mission Island Marsh at 5:00 PM.	10 7:00 PM CW Class LARC Meeting Helps, watch from Mission Island Marsh at 5:00 PM.	11 12	13	20
14 7:30 PM 2 Metre Net VE3YQT	15 7:00 PM CW Class Ham Class	16 7:00 PM CW Class Ham Class	17 7:00 PM CW Class Ham Class	18 19 Hanukkah Beignets.	21 7:30 PM 2 Metre Net VE3YQT	22 7:00 PM CW Class Thursdays meeting and classes are held in room 210, McIntyre Building. Concordia College.
27 CARF Contest Winter Day	28 7:30 PM 2 Metre Net VE3YQT	29 30 31 Happy New Year				27 CARF Contest Winter Day

1992



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